

SEQUENCE LISTING

<110> MERISTEM THERAPEUTICS

<120> CLEAN SYNTHETIC VECTORS, PLASMIDS, TRANSGENIC PLANTS  
AND PLANT PARTS CONTAINING SAID VECTORS, AND THEIR  
METHODS OF PRODUCTION

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<170> PatentIn Ver. 2.1

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<223> Origin of replication ori RK2

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<223> NPT III gene coding for neomycin  
phosphotransferase and kanamycin resistance

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<221> misc\_feature

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<223> TrfA locus from pRK2 coding for two proteins P285  
and P382 enabling an increase in the replication  
rate

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phosphotransferase and kanamycin resistance

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of replication

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and kanamycin resistance

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      and P382, enabling the increase of the rate of
      replication

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      and kanamycin resistance

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<213> Artificial Sequence

<220>
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      desoxynucleotide containing AvrII restriction site

<400> 23
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<210> 24
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligo
      Desoxynucleotide containing StuI restriction site

<400> 24
cggattaaatg gtagaaggcc tttcacggga gggttcgaga agg 43

<210> 25
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      restriction site

<400> 25
tcaaaggcct tctaccatta atccgcata aaccgcga acc 43

<210> 26
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      restriction site

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<210> 27
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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      of NdeI restriction site

<400> 27
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<210> 28

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| <223> Description of Artificial                        |  |    |
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| restriction site                                       |  |    |
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| <210> 29   |  |    |
| <211> 38   |  |    |
| <212> DNA  |  |    |
| <213> Artificial Sequence                              |  |    |
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| and AatII restriction sites                            |  |    |
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| <210> 30   |  |    |
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| restriction site                                       |  |    |
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| <400> 30   |  |    |
| cctatggata tccccccgggg gatagccccca gtacattaaa aacgtcc  |  | 47 |
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| <210> 31   |  |    |
| <211> 48   |  |    |
| <212> DNA  |  |    |
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| Sequence:Oligodesoxynucleotide containing              |  |    |
| restriction site SmaI                                  |  |    |
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| <213> Artificial Sequence                              |  |    |
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| restriction site                                       |  |    |
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<210> 33  
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restriction site

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<210> 34  
<211> 25  
<212> DNA  
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<220>  
<223> Description of Artificial  
Sequence:Oligodesoxynucleotide downstream of a  
BstBI restriction site

<400> 34  
ttcttgacga gttttcttga gcggg 25

<210> 35  
<211> 47  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial  
Sequence:Oligodesoxynucleotide containing  
restriction sites KpnI, HindIII, EcoRI and XhoI

<400> 35  
cggtaccgaa gctttgaatt cactcgagca gattgtcggtt tcccgcc 47

<210> 36  
<211> 36  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial  
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restriction sites AvrII and AgeI

<400> 36  
tatccttagga accggtaaac cctgtggttg gcatgc 36

<210> 37  
<211> 29  
<212> DNA  
<213> Artificial Sequence  
  
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<223> Description of Artificial

Sequence:Oligodesoxynucleotide used for synthesis  
of fragment "MCS-beg. Pnos"

<400> 37  
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<210> 38  
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EcoRI, HindIII et KpnI restriction sites

<400> 38  
gctcgagtga attcaaagct tcggtaccgt tgaaggagcc actcagccg 49

<210> 39  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
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Sequence:Oligodesoxynucleotide for synthesis of  
part of npt II and BspEI site

<400> 39  
ggaatcgaaa tctcgtgatg gcagg 25

<210> 40  
<211> 24  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial  
Sequence:Oligodesoxynucleotide used for synthesis  
of part of Pnos and npt II

<400> 40  
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<210> 41  
<211> 52  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial  
Sequence:Oligodesoxynucleotide used in the  
synthesis of XbaI, SalI, PacI, BamHI, MluI, HpaI  
et FseI restriction sites of an MCS

<400> 41  
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<210> 42  
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      synthesis of XbaI, SalI, PacI, BamHI, MluI, HpaI
      et FseI restriction sites of an MCS

<400> 42
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<210> 43
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide containing BspEI
      restriction site

<400> 43
taaatctgcat ccggatctgg atcgtttcgc      30

<210> 44
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      restriction site

<400> 44
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<210> 45
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
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      restriction site

<400> 45
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<210> 46
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<212> DNA
<213> Artificial Sequence

<220>
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      restriction site

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19

<210> 47  
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<220>  
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Sequence:Oligodesoxynucleotide used for synthesis  
of plasmid pUC19-uidA-Tnos delta EcoRI

<400> 47  
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21

<210> 48  
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<213> Artificial Sequence

<220>  
<223> Description of Artificial  
Sequence:Oligodesoxynucleotide containing NcoI and  
SmaI restriction sites

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29

<210> 49  
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<223> Description of Artificial  
Sequence:Oligodesoxynucleotide situated upstream  
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<400> 49  
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24

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<220>  
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expression cassette of pBIN19

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pMRT1335 by the expression cassette  
“L5-*qus*-polyA35S” isolated from pMRT1336

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